



IAP15 Rec'd PCT/PTO 15 AUG 2006

Patent  
Attorney Docket No. 1018912-000170

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	)	Group Art Unit:
Susumu Noda et al.	)	Examiner:
Application No.: 10/550,596	)	Confirmation No.: 1380
Filing Date: September 23, 2005	)	
Title: TWO-DIMENSIONAL PHOTONIC CRYSTAL SURFACE-EMITTING LASER	)	

TRANSMITTAL LETTER FOR MISSING PARTS OF APPLICATION

MAIL STOP MISSING PARTS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In complete response to the Notice to File Missing Parts of Application filed Under 37 C.F.R. § 1.53(b) dated May 15, 2006, enclosed please find:

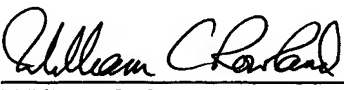
- ☐ a Combined Declaration and Power of Attorney signed by the inventor(s);
  - ☐ Note that the inventor identified on the concurrently filed Combined Declaration and Power of Attorney is different than listed on the application filing papers. <<OR>> Note that the inventors identified on the currently filed Combined Declaration and Power of Attorney are different than listed on the application papers.
- ☐ an Application Data Sheet <<OR>> a Supplemental Application Data Sheet;
- ☒ the surcharge of ☐ \$ 65 ☒ \$ 130 as set forth in 37 C.F.R. § 1.16(e);
- ☐ a Request for Refund;
- ☒ a Petition for Extension of Time;
- ☐ a verified English translation of the application, and the 130 fee as set forth in 37 C.F.R. § 1.17(k);
- ☐ drawings for publication;
- ☐ an Information Disclosure Statement;

- ☒ Translation surcharge
- ☐ a certified copy of the priority document <<OR>> certified copies of the priority documents;
- ☒ copy of Notice to File Missing Parts of Nonprovisional Application; and
- ☒ Replacement Sheets for pages 21 and 22 of the Application as filed on September 23, 2005, Preliminary Amendment
- ☐ Small entity status is hereby claimed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☒ Charge \$ 260.00 to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date 8-15-06

By:   
William C. Rowland  
Registration No. 30888

P.O. Box 1404  
Alexandria, VA 22313-1404  
703 836 6620

08/18/2006 GFREY1 00000060 10550596

01 FC:1617 130.00 OP  
02 FC:1618 130.00 OP



## UNITED STATES PATENT AND TRADEMARK OFFICE

1018912-000170

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/550,596	Susumu Noda	018912-170

INTERNATIONAL APPLICATION NO.
-------------------------------

PCT/JP04/03987

I.A. FILING DATE	PRIORITY DATE
03/23/2004	03/25/2003

21839  
BUCHANAN INGERSOLL PC  
(INCLUDING BURNS, DOANE, SWECKER & MATHIS)  
POST OFFICE BOX 1404  
ALEXANDRIA, VA 22313-1404

CONFIRMATION NO. 1380

371 FORMALITIES LETTER



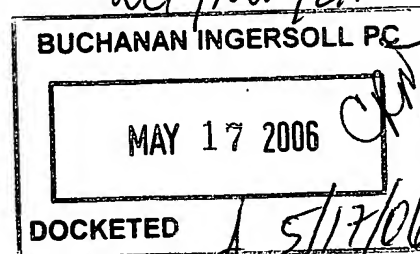
\*OC000000018784865\*

Date Mailed: 05/15/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/23/2005
- Copy of the International Search Report filed on 09/23/2005
- Information Disclosure Statements filed on 09/23/2005
- U.S. Basic National Fees filed on 09/23/2005
- Priority Documents filed on 09/23/2005
- Non-English Language Application filed on 09/23/2005
- Specification filed on 09/23/2005
- Claims filed on 09/23/2005
- Abstracts filed on 09/23/2005
- Drawings filed on 09/23/2005



The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. The current translation of the application into English is defective as described below. Note a processing fee will be required if submitted later than 30 months from the priority date.
  - The number of claims in the International Application and the number of claims in the translation are not the same.
- Processing fee of \$130 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).

Missing Parts Due: 7/15/06

MAY 17 2006

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$260** for a Large Entity:

- **\$130** Surcharge.
- **\$130** for English translation surcharge required.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

PAULETTE R KIDWELL

Telephone: (703) 308-9140 EXT 216

#### PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/550,596	PCT/JP04/03987	018912-170